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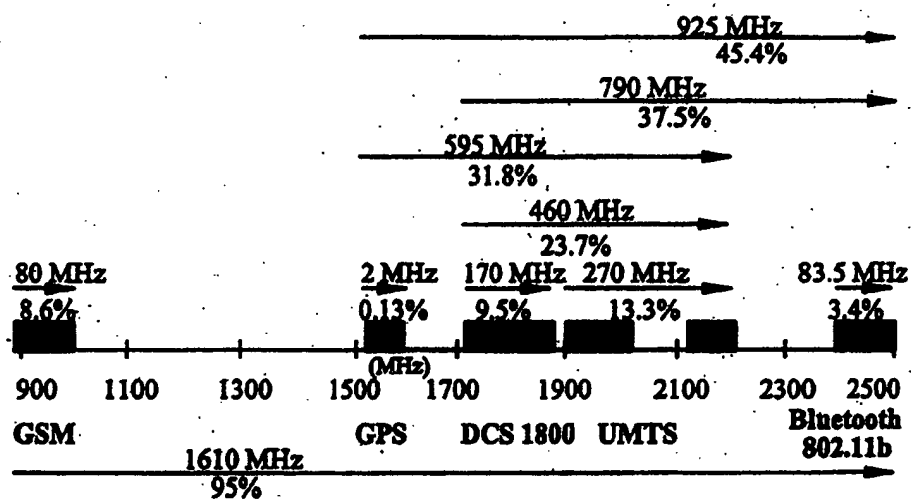


Figure 1



Figure 2

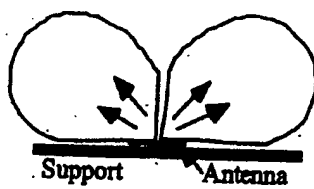


Figure 3

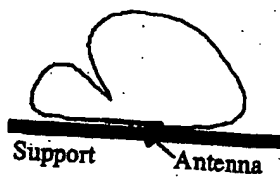


Figure 4

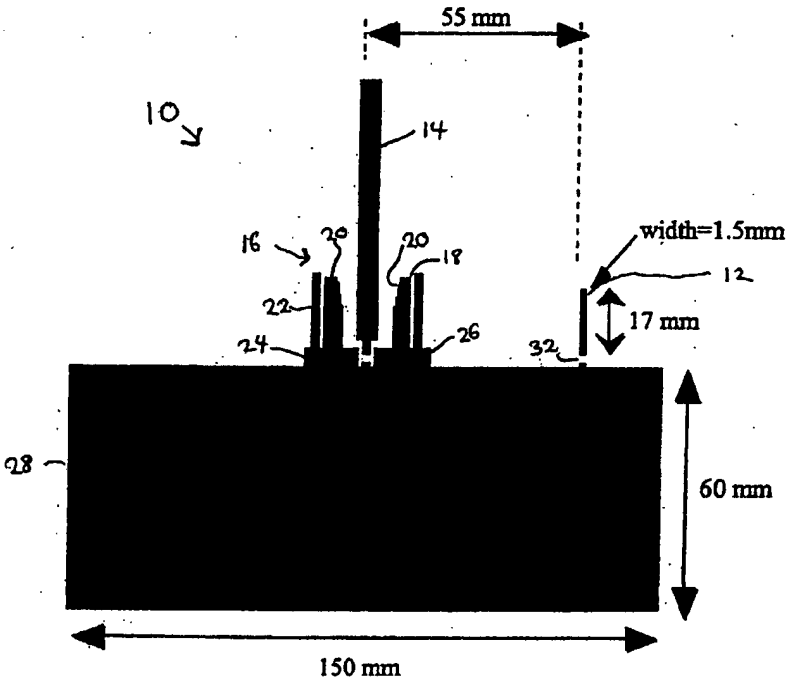
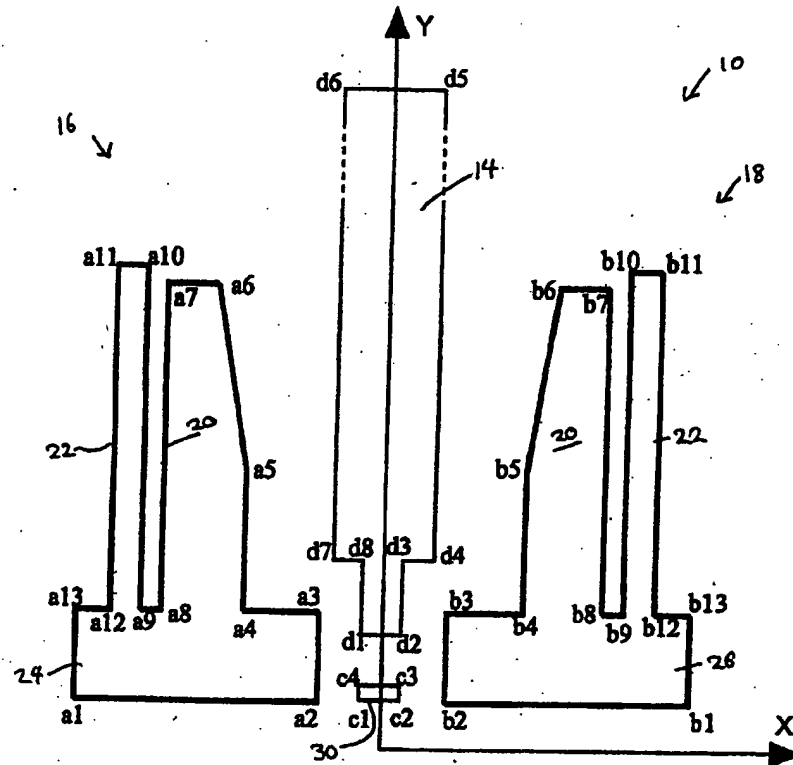


Figure 5

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Point	a1	a2	a3	a4	a5	a6	a7	a8	a9
X	-16	-2	-2	-6.5	-6.5	-8	-11	-11	-12
Y	0	0	5	5	14	23	23	5	5

Point	a10	a11	a12	a13
X	-12	-14	-14	-16
Y	24	24	5	5

Point	b1	b2	b3	b4	b5	b6	b7	b8	b9
X	16	2	2	6.5	6.5	8	11	11	12
Y	0	0	5	5	14	23	23	5	5

Point	b10	b11	b12	b13
X	12	14	14	16
Y	24	24	5	5

Figure 6

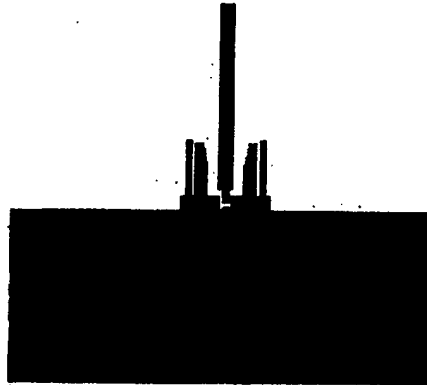


Figure 7

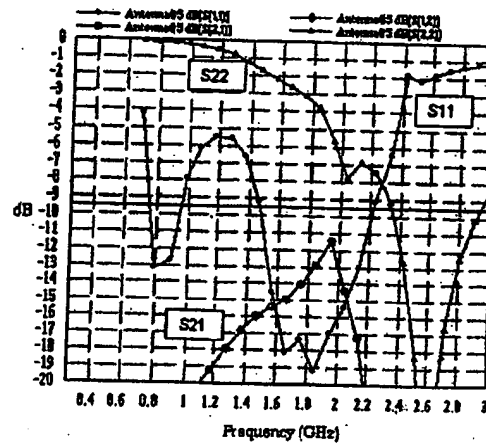


Figure 8

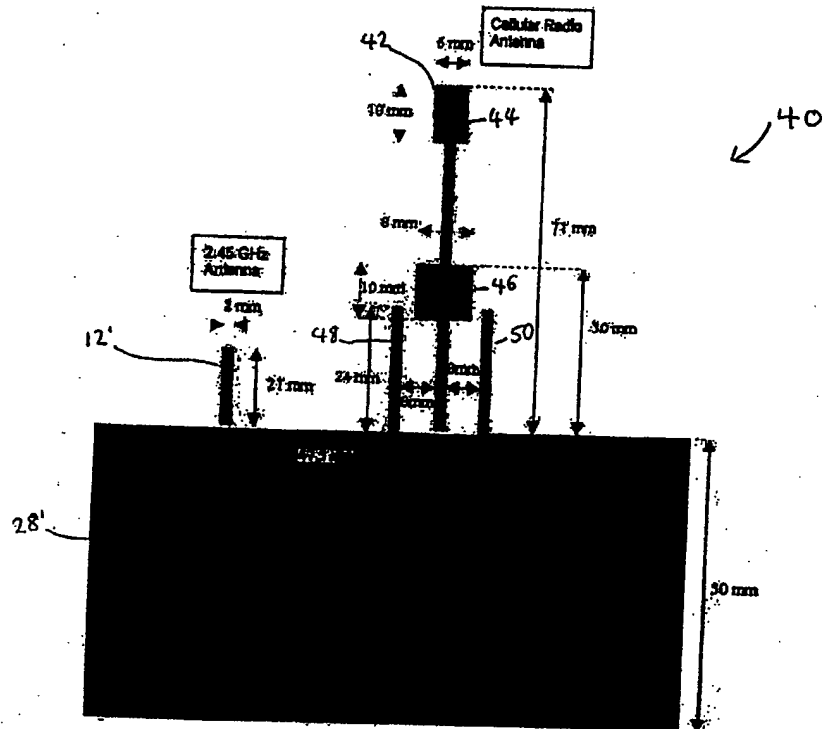


Figure 9

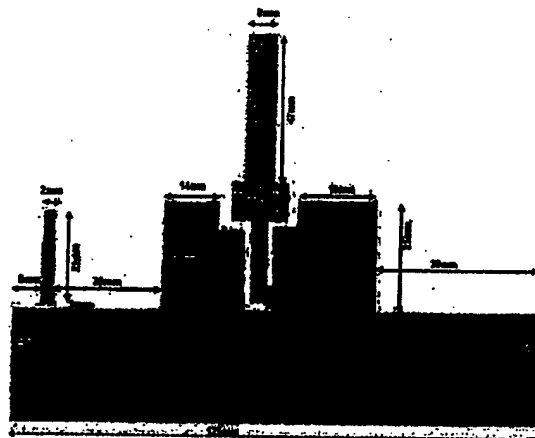


Figure 10

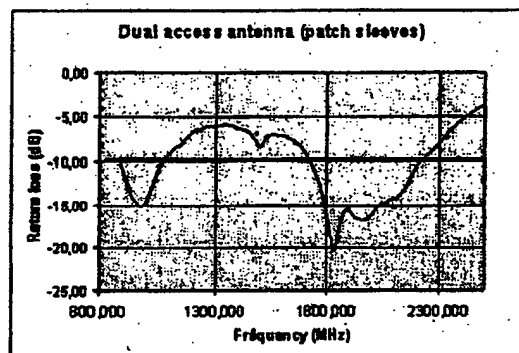


Figure 11

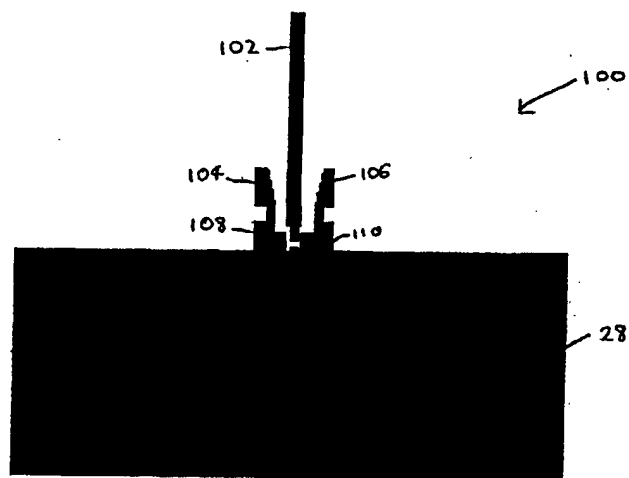


Figure 12

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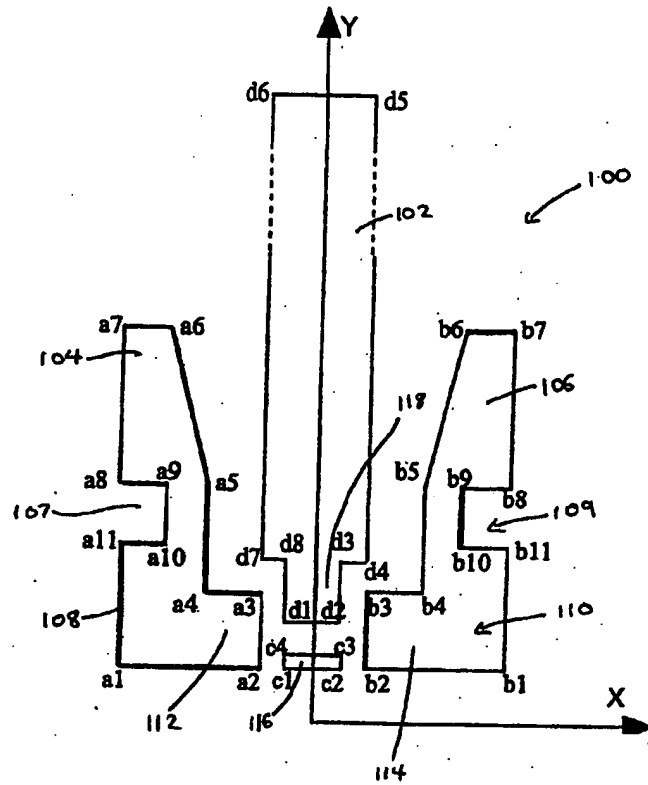


Figure 13

Point	a1	a2	a3	a4	a5	a6	a7	a8	a9	a10	a11
X	-11	-2	-2	-5.5	-5.5	-8	-11	-11	-8	-8	-11
Y	0	0	5	5	12	22	22	12	12	8	8

Point	b1	b2	b3	b4	b5	b6	b7	b8	b9	b10	b11
X	11	2	2	5.5	5.5	8	11	11	8	8	11
Y	0	0	5	5	12	22	22	12	12	8	8

Point	c1	c2	c3	c4
X	-1	1	1	-1
Y	0	0	1	1

Point	d1	d2	d3	d4	d5	d6	d7	d8
X	-1	1	1	2	2	-2	-2	-1
Y	3	3	7	7	62	62	7	7

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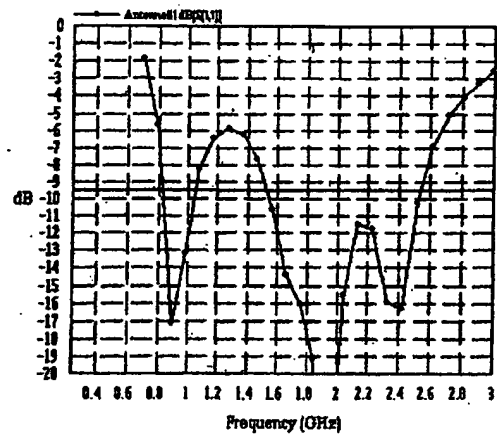


Figure 14

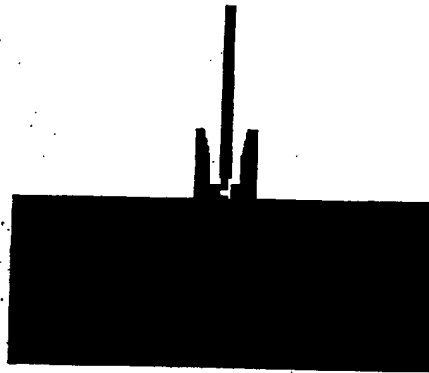


Figure 15

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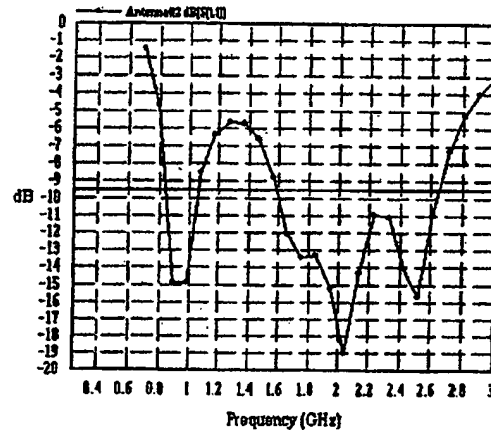


Figure 16

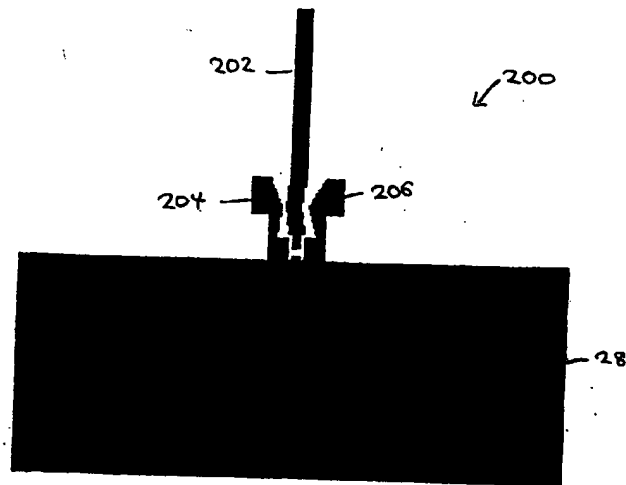


Figure 17

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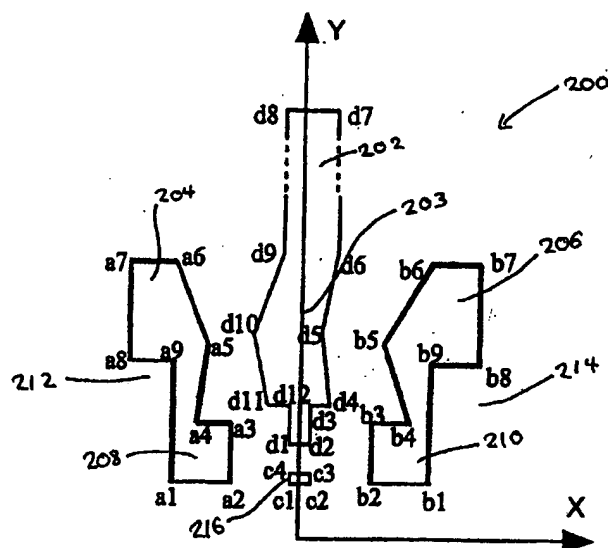


Figure 18

Schematic template of antenna#2

Point	a1	a2	a3	a4	a5	a6	a7	a8	a9
X	-8	-2	-2	-5.5	-4.5	-8	-13	-13	-8
Y	0	0	6	6	14	22	22	12	12

Point	b1	b2	b3	b4	b5	b6	b7	b8	b9
X	8	2	2	5.5	3	8	13	13	8
Y	0	0	6	6	14	22	22	12	12

Point	c1	c2	c3	c4
X	-1	1	1	-1
Y	0	0	1	1

Point	d1	d2	d3	d4	d5	d6	d7	d8	d9	d10	d11	d12
X	-1	1	1	2	1	2	2	-2	-2	-3.5	-2	-1
Y	3	3	7	7	14	22	65	65	22	14	7	7

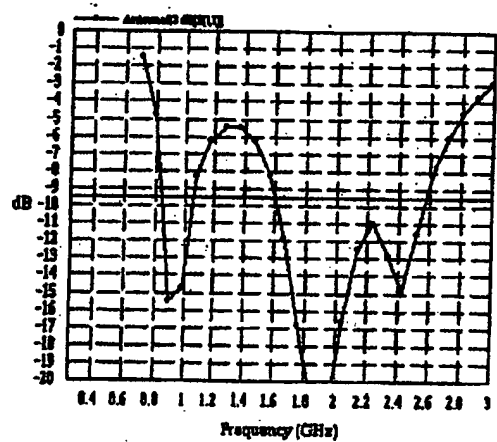


Figure 19

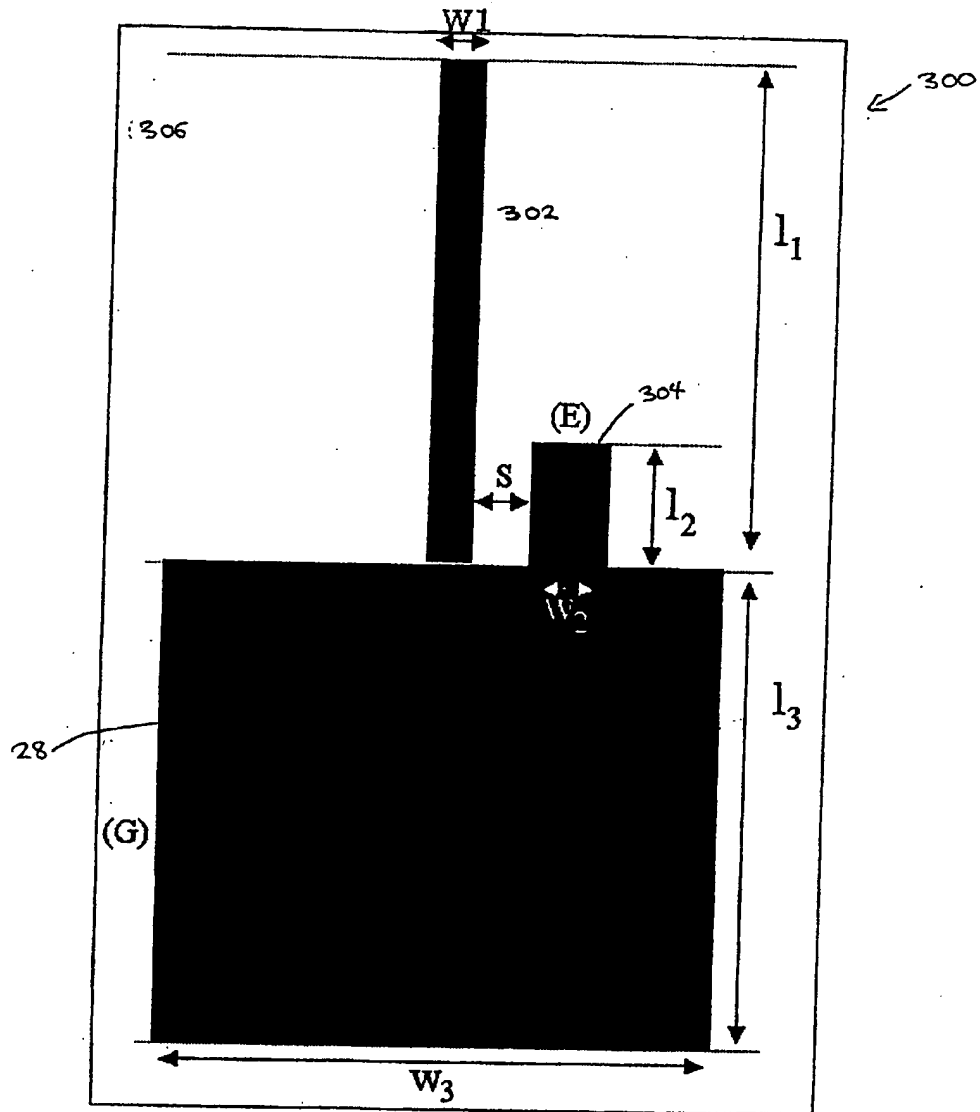


Figure 20

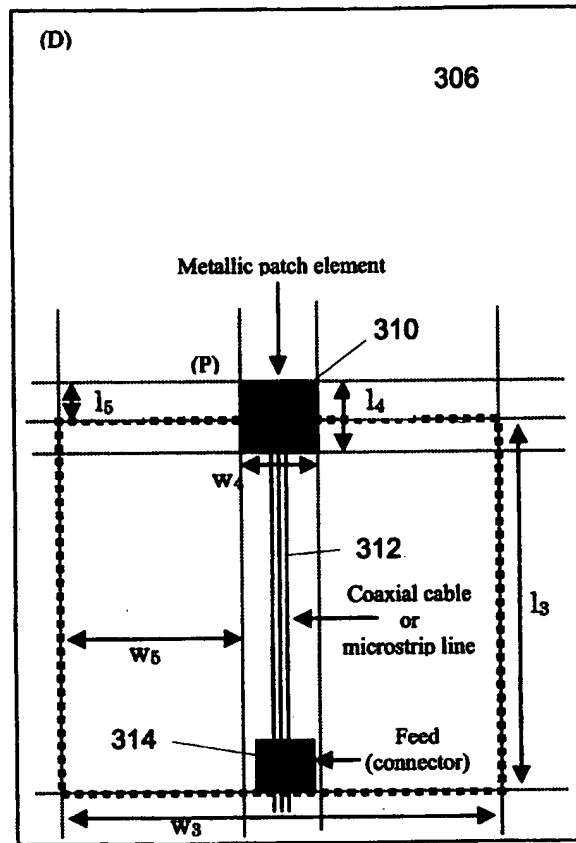


Figure 21

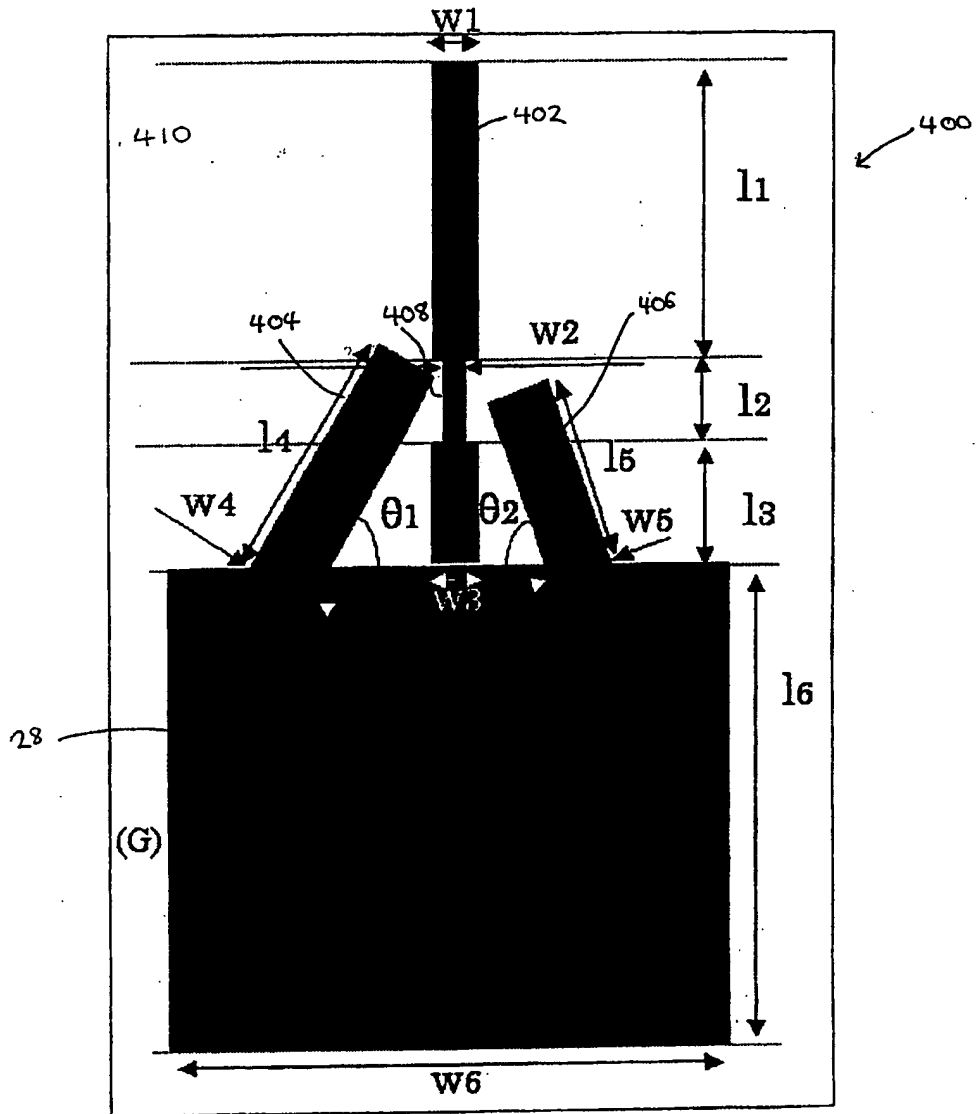


Figure 22

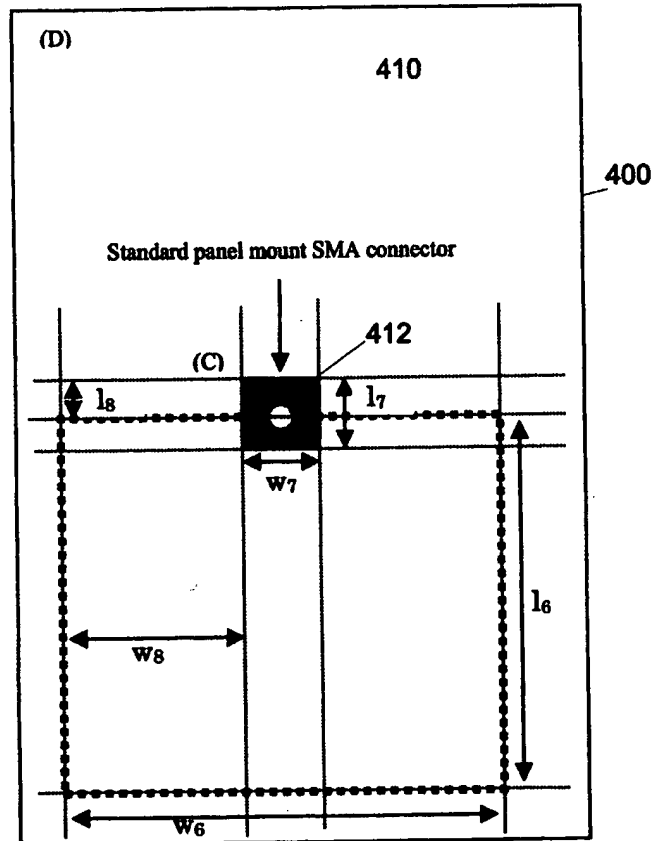
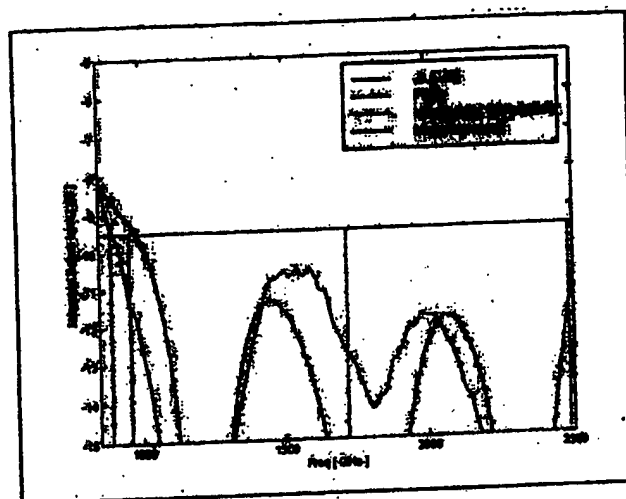


Figure 23



measurement
(241)

numerical
simulation (240)

Figure 24

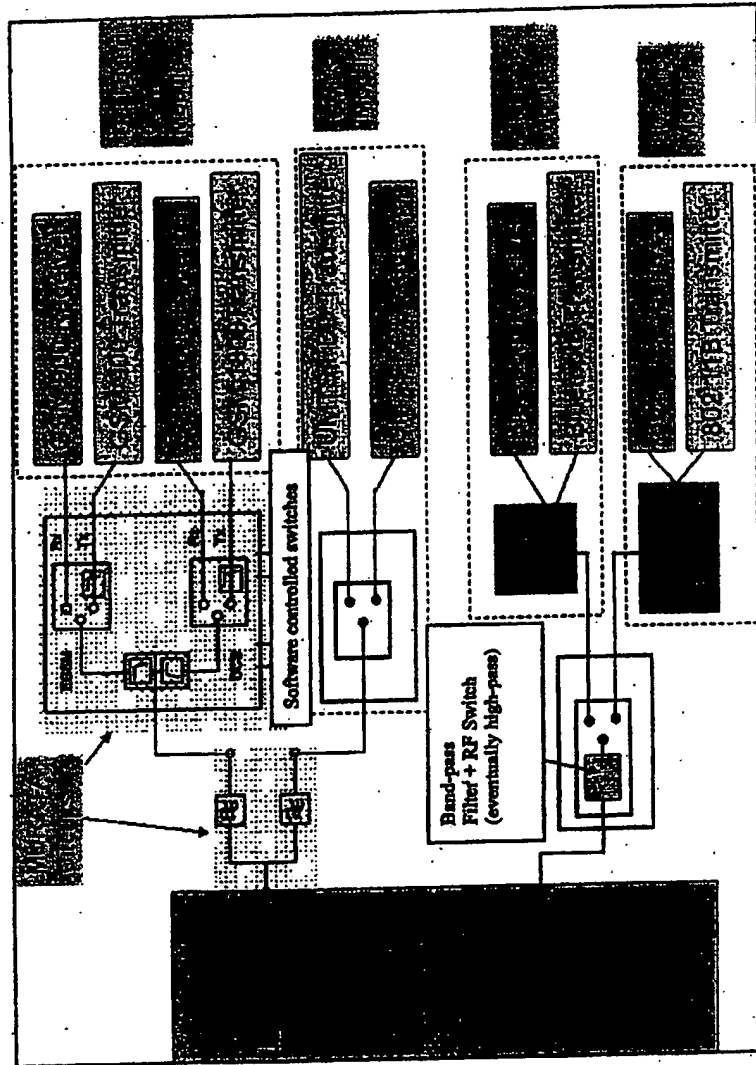


Figure 25

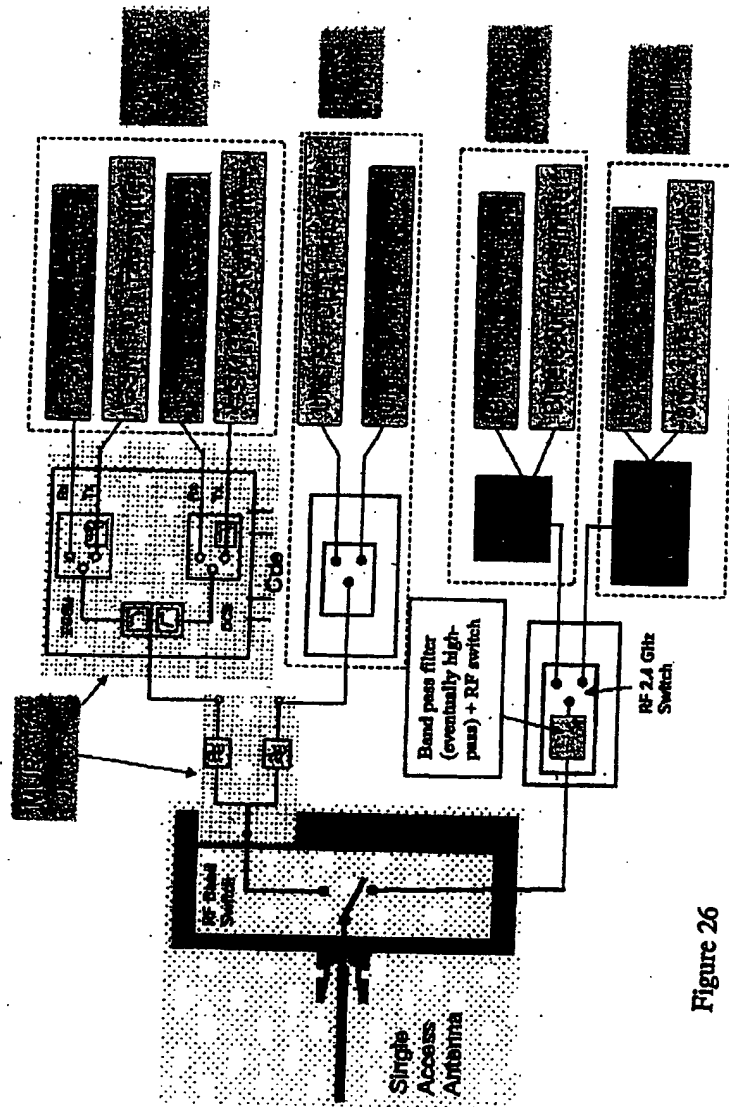


Figure 26

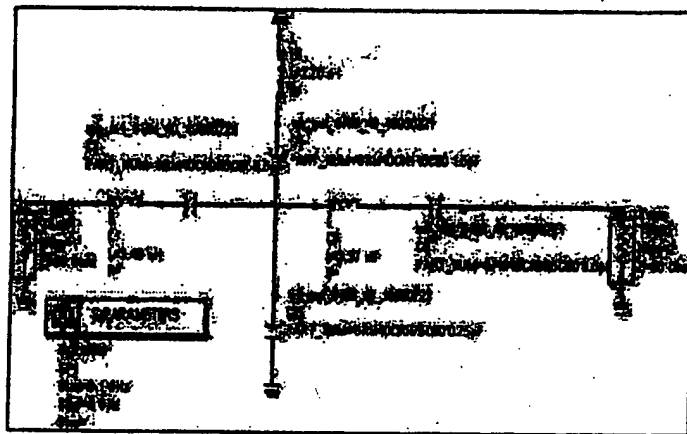


Figure 27